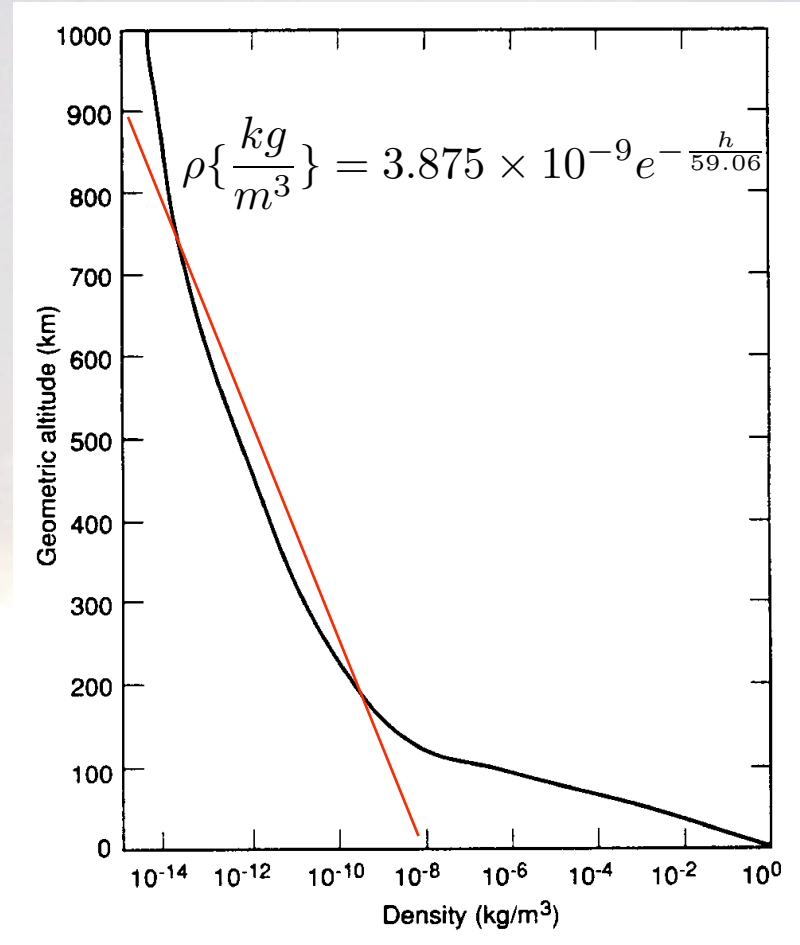


Entry and Fluid Dynamics

- Full (planar) equations of motion for entry
- Fourth order Runge-Kutta numerical integration
- Definition of basic fluid parameters
- Calculation of mean free path
- Entry aerodynamic regimes



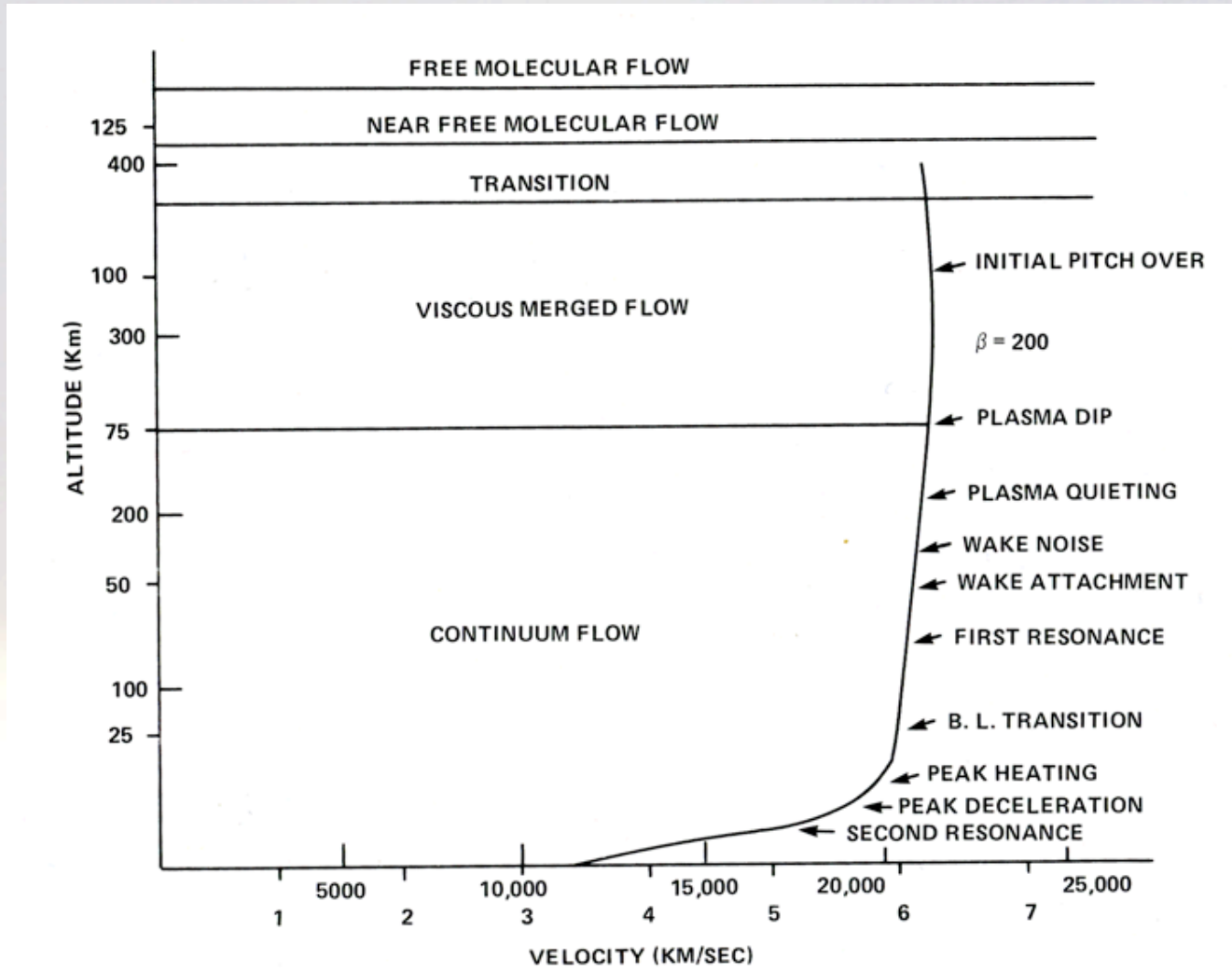
Atmospheric Density with Altitude



Ref: V. L. Pisacane and R. C. Moore, Fundamentals of Space Systems Oxford University Press, 1994



Entry Flow Regimes



ref: Frank J. Regan, Reentry Vehicle Dynamics AIAA Education Series, NY, NY 1984

